



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: **IECEX EPS 24.0023X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-06-21
Applicant: **QLight Co., Ltd.**
185-25, Mukbang-Ro
Sangdong-Myeon
Gimhae-Si, Gyeongsangnam-Do
Korea, Republic of
Equipment: **Flame-Proof Signal Phone: (QN-H / QN) Flame-Proof Warning light with Phone: (QNV5-H / QNV5 / QNHS-H / QNHS)**
Optional accessory:
Type of Protection: **db**
Marking: Ex db IIC T5/T6 Gb

Approved for issue on behalf of the IECEX
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **QLight Co., Ltd.**
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Manufacturing locations: **QLight Co., Ltd.**
185-25, Mukbang-Ro
Sangdong-Myeon
Gimhae-Si, Gyeongsangnam-Do
Korea, Republic of

**QLIGHT ELECTRONICS (QIDONG)
CO., LTD**
No. 33 Haiyan Road, Qidong High-
Tech Industrial Development Zone
Qidong City, Nantong City, Jiangsu
Province
P.R. 226200
China

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR24.0034/00](#)

Quality Assessment Reports:

[DE/EPS/QAR14.0012/10](#)

[DE/EPS/QAR16.0004/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Flame-Proof Signal Phone and warning light QN / QN-H / QNVS / QNVS-H / QNHS / QNHS-H are made by aluminium enclosures in type of protection flameproof enclosure "d" and used to provide acoustic and/or visual signals. A breathing device is mounted in the wall of the enclosure and glass dome is protected by guard. IP rating is IP66

These signalling devices are used to deliver audible and visual alarm signals for alerting, warning or as an communication phone.

Model number	Voltage	Power	Sound pattern and volume	Color
QN	DC12V~24V	MAX. 20W	• WS-5 Warning sounds: MAX.118dB • WP-5 Special warning sounds: MAX. 118dB	R-Red A- Amber G- Green B- Blue
	AC110~230V	MAX. 38W		
QNVS QNHS	DC12V~24V	MAX. 24W	• WM-5 Melodies: MAX.118dB • WA-5 Alarms: MAX.114dB • WV-5 Customizable sounds : 109~114dB	
	AC110~230V	MAX. 53W		
QN-H	DC12V~24V	MAX. 35W	• WS-5 Warning sounds: MAX.123dB • WP-5 Special warning sounds: MAX.123dB	
	AC110~230V	MAX. 64W		
QNVS-H QNHS-H	DC12V~24V	MAX. 41W	• WM-5 Melodies: MAX.123dB • WA-5 Alarms: MAX.120dB • WV-5 Customizable sounds : 115~120dB	
	AC110~230V	MAX. 76W		

SPECIFIC CONDITIONS OF USE: YES as shown below:

A repair of a flame-proof joint is only permitted in accordance with the manufacturer's values.

The protective covers and loudspeaker horns must be installed in a way that they are protected against electrostatic charging.

Ambient temperature range:

-40°C to +70°C (T5)

-40°C to +55°C (T6)

The aluminium enclosure models intended for ambient temperature below -20°C must be subjected to routine overpressure test according to IEC 60079-1 with 20,61 bar.

The protective device for the glass, provided by manufacturer against impacts, must be installed.